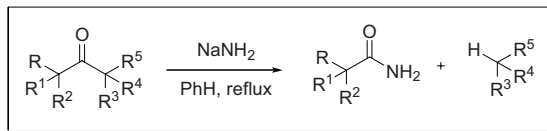
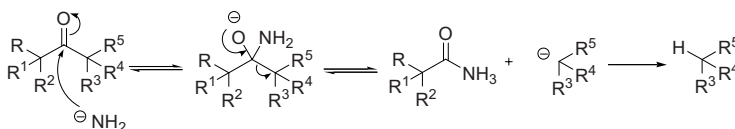


Haller–Bauer reaction

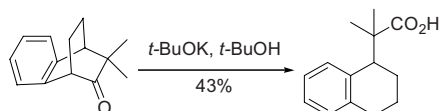
Base-induced cleavage of non-enolizable ketones leading to carboxylic amide derivative and a neutral fragment in which the carbonyl group is replaced by a hydrogen.



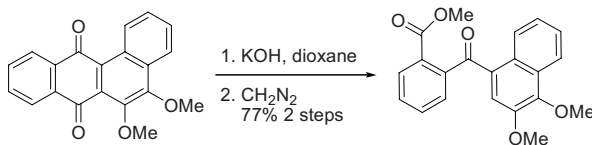
non-enolizable ketone



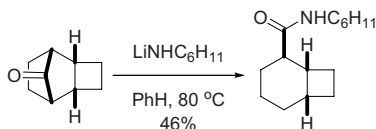
Example 1⁴



Example 2⁹



Example 3, Racemization¹⁰



References

- Haller, A.; Bauer, E. *Compt. Rend.* **1908**, *147*, 824–829.
- Gilday, J. P.; Gallucci, J. C.; Paquette, L. A. *J. Org. Chem.* **1989**, *54*, 1399–1408.
- Paquette, L. A.; Gilday, J. P.; Maynard, G. D. *J. Org. Chem.* **1989**, *54*, 5044–5053.
- Paquette, L. A.; Gilday, J. P. *Org. Prep. Proc. Int.* **1990**, *22*, 167–201.
- Mehta, G.; Praveen, M. *J. Org. Chem.* **1995**, *60*, 279–280.
- Mehta, G.; Venkateswaran, R. V. *Tetrahedron* **2000**, *56*, 1399–1422. (Review).
- Arjona, O.; Medel, R.; Plumet, J. *Tetrahedron Lett.* **2001**, *42*, 1287–1288.
- Ishihara, K.; Yano, T. *Org. Lett.* **2004**, *6*, 1983–1986.
- Patra, A.; Ghorai, S. K.; De, S. R.; Mal, D. *Synthesis* **2006**, 2556–2562.
- Braun, I.; Rudroff, F.; Mihovilovic, M. D.; Bach, T. *Synthesis* **2007**, *24*, 3896–3906.